**Answers**









**Markovnikov’s Rule:** When H-X or H-OH is added, the H bonds to the carbon that already has the most H’s on it. In other words “*the rich get richer”*

*Hydrohalogenation:* HX is added



*Hydration:* H2O is added

















Note that the aldehyde can also be oxidized further into a carboxylic acid



Note that the ketone can not be oxidized since there is no H on the C to make room for a double bond.



CH3CH2CH2CH2OH + 6 O2(g) 🡪 4 CO2 (g)  + 5H2O(g) + energy









